

**VIRGINIA POLLUTANT DISCHARGE ELIMINATION SYSTEM
GENERAL PERMIT REGISTRATION STATEMENT
FOR COOLING WATER DISCHARGES**

1. APPLICANT INFORMATION

A. Name of Facility: _____

B. Facility Owner: _____

C. Owner's Mailing Address

a. Street or P.O. Box _____

b. City or Town _____ c. State _____ d. Zip Code _____

e. Phone Number _____

D. Facility Location: _____
(Street Number., Route Number., or Other Identifier)

(County)

E. Is the operator of the facility also the owner? Yes _____ No _____
If "No", complete F & G.

F. Name of Operator: _____

G. Operator's Mailing Address

a. Street or P.O. Box _____

b. City or Town _____ c. State _____ d. Zip Code _____

e. Phone Number _____

2. FACILITY INFORMATION

A. Does this facility currently have a VPDES permit? Yes _____ No _____

If yes, give permit number. _____

B. List any point source discharges that are not composed entirely of cooling water

C. List type and size (tons) of cooling equipment or non-contact cooling water process:

Type

Size (tons)

D. Complete the following if any chemical and/or non-chemical treatment is employed in each of the cooling water systems:

- a. Describe the chemical and/or non-chemical treatment to be employed and its purpose;

If chemical additives other than chlorine are used, complete b, c, d and e below.

- b. Provide name and manufacturer of each additive used;

- c. Provide list of active ingredients and percent composition;

- d. Give the proposed schedule and quantity of chemical usage, and estimate the concentration in the discharge;

- e. Attach available aquatic toxicity information for each additive proposed for use; and

- f. Attach any other information such as product or constituent degradation, fate, transport, synergies, bioavailability, etc., that will aid the Board with the toxicity evaluation for the discharge.

- E. Describe any type of treatment or retention being provided to the wastewater before discharge (i.e. retention ponds, settling ponds, etc.)

3. FACILITY SCHEMATIC DRAWING

Attach a schematic drawing of the cooling water equipment which shows the source of the cooling water, its flow through the facility, and each cooling water discharge point.

4. MAP

For cooling water system with a direct discharge to surface waters, attach a topographic map extending to at least one mile beyond property boundary. The map must show the outline of the facility, and the location of each of its existing and proposed intake and discharge points. Include all springs, rivers and other surface water bodies.

5. DISCHARGE INFORMATION

A. List all cooling water discharges by a number that is the same as on the map required in Question 4, if applicable. Identify the source of cooling water. Estimate the maximum daily discharge flow in gallons per day (gpd). Give the name of the waterbody receiving direct discharge or discharge through the municipal separate storm sewer system.

<u>Outfall No.</u>	<u>Source</u>	<u>Max. Daily Flow (gpd)</u>	<u>Receiving Stream</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

B. Identify the duration and frequency of the discharge for each separate discharge point:

- a. Continuous: _____
- b. Intermittent: (please describe) _____
- c. Seasonal: _____

C. Give the name and contact information of the owner of the municipal separate storm sewer system that receives the discharge (if applicable):

6. CERTIFICATION:

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations."

Signature _____ Date: _____

Name of person(s) signing above: _____
(printed or typed)

Title(s): _____

REQUIRED ATTACHMENTS

Aquatic Toxicity Information For Chemical Additives (if applicable)
Facility Schematic Drawing
Topographic Map (if applicable)

For Department Use Only:

Accepted/Not Accepted by: _____ Date: _____

Basin _____ Stream Class _____ Section _____

Special Standards _____

**INSTRUCTIONS FOR COMPLETING THE REGISTRATION STATEMENT
FOR
THE GENERAL VIRGINIA POLLUTANT DISCHARGE ELIMINATION SYSTEM (VPDES)
PERMIT FOR COOLING WATER DISCHARGES (VAG25)**

WHO MUST FILE THE REGISTRATION STATEMENT

This registration statement must be completed and submitted by any cooling equipment facilities requesting coverage under the general permit for cooling water discharges.

WHERE TO FILE THE REGISTRATION STATEMENT

The completed registration statement and application fee of \$600.00 should be sent to the Department of Environmental Quality Regional Office for your area.

COMPLETENESS

Complete all items except where indicated, or enter NA for "not applicable" in order for your registration statement to be accepted. If you need more space than the form allows, write on and attach extra sheets of paper.

DEFINITIONS

"Blowdown" means a discharge of recirculating water from any cooling equipment or cooling process in order to maintain a desired quality of the recirculating water. Boiler blowdown is excluded from this definition.

"Cooling Water" means water used for cooling which does not come into direct contact with any raw product, intermediate product (other than heat) or finished product. For the purposes of this general permit, cooling water can be generated from any cooling equipment blowdown or produced as a result of any non-contact cooling process through either a single pass (once through) or recirculating system.

LINE BY LINE INSTRUCTIONS

Item 1. APPLICANT INFORMATION

- Item A: Provide the name of the facility where the cooling equipment is located.
- Item B: Provide the name of the person or corporation that owns the business. This does not have to be the owner of the building (e.g., if it is leased) but should be who is responsible for the business and wants coverage under the general permit.
- Item C: Provide the mailing address and phone number of the above person.
- Item D: Indicate here the physical location of the facility if it can't be located from the mailing address.
- Item E: If someone other than the owner listed in item B runs the plant and is the person with whom business will be conducted, check **No**. Otherwise check **Yes**.
- Item F: If **No** was checked above, indicate the name of the person other than the owner who operates the facility.
- Item G: Provide the address and phone number of the person other than the owner here.

Item 2. FACILITY INFORMATION

- Item A: Provide permit number for any valid VPDES permit held by the facility.
- Item B: Describe any point source discharges from your facility that are not composed entirely of cooling water.
- Item C: List type and size (tons) of cooling equipment or non-contact cooling water process. Most cooling equipment will have a manufacturer's identification plate attached which records the Make/Model of the unit. The size of the equipment should be calculated by using the

following formula and you may consult with the local representative of the manufacturer to obtain the specific data:

$$\text{Tonnage} = (\text{GPM} \times \Delta T) / 30$$

$$\text{GPM} = \text{Flow Rate (gallons per minute)}$$

$$\Delta T = 10\text{EF (Standard design temperature change)}$$

Item D: The use of any chemical additives, except chlorine, without prior approval is prohibited under this general permit. You should list all chemicals currently used or which you anticipate to use within the life of the permit term. Prior approval shall be obtained from the DEQ before any changes are made to the chemical and non-chemical treatment technology employed in the cooling equipment. The MSDS and available aquatic toxicity information for each additive used may be obtained from the manufacturer of the chemical additives.

Item E: Describe any type of treatment or retention being provided to the cooling water before discharge.

Item 3: FACILITY DRAWING

A schematic drawing of the cooling equipment, not of the building facility, should show the source(s) of the cooling water, its flow through the cooling system, and each cooling water discharge point (the municipal separate storm sewer system (MS4s) or directly to surface waters).

Item 4: MAP

Map should be legible and of sufficient scale to show the required features with the site boundaries clearly marked. Map is only required for cooling water system with a direct discharge to surface waters.

Item 5: DISCHARGE INFORMATION

List all discharge outfalls by a number, such as 001, 002, etc. Discharge to the receiving stream may be through a municipal separate storm sewer system (MS4s). In such cases, identify the receiving stream with a footnote recognizing the owner of the MS4s which the outfall discharges through. Identify the duration and frequency of the discharge for each separate discharge point. Provide the name of the owner of the MS4 that receives the discharge, if applicable.

Item 6: CERTIFICATION

All registration statement shall be signed as follows:

1. For a corporation: by a responsible corporate officer. For the purpose of this section, a responsible corporate officer means: (i) A president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy- or decision-making functions for the corporation, or (ii) the manager of one or more manufacturing, production, or operating facilities provided the manager is authorized to make management decisions which govern the operation of the regulated facility including having the explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure long term environmental compliance with environmental laws and regulations; the manager can ensure that the necessary systems are established or actions taken to gather complete and accurate information for permit application requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures;
2. For a partnership or sole proprietorship: by a general partner or the proprietor, respectively; or
3. For a municipality, state, federal, or other public agency: By either a principal executive officer or ranking elected official. For purposes of this section, a principal executive officer of a federal agency includes: (i) The chief executive officer of the agency, or (ii) a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency.